Polynomial Worksheets

Find each sum or difference by combining the parts that are alike.

a) $(2p + 4) + 5(p - 1) - (p + 7)$

b) $(7x^4 + 9x) - 2(x^4 + 13)$

c) $(6 - t - t^4) + (9t + t^4)$

d) $(5 - t^2) + 6(t^2 - 8) - (t^2 + 12)$

e) $(8\boldsymbol{x}^3 + 5\boldsymbol{x}) - 3(\boldsymbol{x}^3 + 2)$

f) $(12\boldsymbol{x} + 1) + 2(\boldsymbol{x} - 4) - (\boldsymbol{x} - 15)$

g) $(13x^2 + 5x) - 2(x^2 + 1)$

h) $(9 - t - t^2) - \frac{3}{2}(8t + 2t^2)$

i) $(4m + 6) - 12(m - 3) + (m + 2)$

j) $(15x^4 + 10x) - 12(x^4 + 4x)$

Polynomial Worksheets

Find each sum or difference by combining the parts that are alike.

a) $(2p + 4) + 5(p - 1) - (p + 7)$

$6\boldsymbol{p} - 8$

b) $(7x^4 + 9x) - 2(x^4 + 13)$

$5x^4 + 9x - 26$

c) $(6 - t - t^4) + (9t + t^4)$

$8\boldsymbol{t} + 6$

d) $(5 - t^2) + 6(t^2 - 8) - (t^2 + 12)$

$4\boldsymbol{t}^2 - 55$

e) $(8\boldsymbol{x}^3 + 5\boldsymbol{x}) - 3(\boldsymbol{x}^3 + 2)$

$5\boldsymbol{x}^3 + 5\boldsymbol{x} - 6$

f) $(12\boldsymbol{x} + 1) + 2(\boldsymbol{x} - 4) - (\boldsymbol{x} - 15)$

$13\boldsymbol{x} + 8$

g) $(13x^2 + 5x) - 2(x^2 + 1)$

$11\boldsymbol{x}^2 + 5\boldsymbol{x} - 2$

h) $(9 - t - t^2) - \frac{3}{2}(8t + 2t^2)$

$-4t^2 - 13t + 9$

i) $(4m + 6) - 12(m - 3) + (m + 2)$

$-7m + 44$

j) $(15x^4 + 10x) - 12(x^4 + 4x)$

$3\boldsymbol{x}^4 - 38\boldsymbol{x}$